BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

FIRST AND PART BILL

Name of work: Name of work: construction of Additional hall on ward office Building and Improvements of Roads and Drains at kodigehalli in ward 08.

Estimated Cost : Rs. 60.00 Lakhs

Head of Account : P-3522

Job Code: 008-19-000037

Name of Agency: Sri Gangulureddy.A # 490/B, 12th C Cross, Vyalikaval, Malleshwaram Bangalore 560003.

Work order No: BBMP/EE/BTP/WO/09/2020-21 Date:11.05.2020.

	Measurements Recarded on :								
Sl. No.	Description of work	No	L	CH+B	Av.B	D	Qty	Rate	Amount
1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							Cum	
	Qty as per Premeasurement Vide E- MB Page No. 01 to 02 is =						**382.49**	1150.00	**439864.00**
2	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.							Cum	
	Qty as per Premeasurement Vide E- MB Page No. 03 is =						**319.67**	500.00	**159835.00**
3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.465cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.							Cum	
	Qty as per Premeasurement Vide E- MB Page No. 04 is =						**286.86**	5600.00	**1606416.00**
4	Construction of un-reinforced plain cement concrete pavement, using grade concrete M30 over a prepared base with OPC course aggregate at 0.69 cum fine aggregates at 0.46 cum course and fine aggregtes confirming to IS : 383-2016, with superplastisiser @3lts confirming to IS9103-1999 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. (with OPC 320Kg per cum GGBS 40 Kg/cum confirming to IS: 12089 course aggregate @ 0.69cum and fine aggregate @ 0.46cum)							Cum	
	For Road	Cum							
	1st cross kempegowda layout	1	9.10	5.70	6.30	6.00	0.15	8.19	
		1	7.30	3.60	7.40	5.55	0.15	6.08	
		1	4.40	7.40	7.70	7.55	0.15	4.98	
		1	15.00	6.40	4.40	5.40	0.15	12.15	
		1	4.40	4.40	4.00	4.20	0.15	2.77	

34-17

Assistant Engineer

Assistant Executive Engineer

Sl. No.	Description of work	No	L	CH+B		Av.B	D	Qty	Rate	Amount
		1	15.00	4.65	4.50	5.57	0.15	12.53		
		1	15.00	4.50	6.00	5.25	0.15	11.81		
		1	6.20	4.50	6.60	5.55	0.15	5.16		
		1	15.00	4.50	4.70	4.60	0.15	10.35		
		1	15.00	4.70	4.85	4.77	0.15	10.73		
		1	15.00	4.85	7.80	6.32	0.15	14.22		
		1	10.20	7.80	5.60	6.90	0.15	10.56		
		1	3.20	7.50	5.20	6.35	0.15	3.05		
	Swatha provision store road	1	15.00	4.00	3.25	3.62	0.15	8.15		
		1	8.20	3.25	3.15	3.20	0.15	3.94		
	Mahalakshmi provision store cross	1	15.00	2.40	2.40	2.40	0.15	5.40		
		1	7.10	2.40	2.40	2.40	0.15	2.56		
		1	7.00	7.35	3.60	5.47	0.15	5.74		
		1	15.00	3.60	3.00	3.30	0.15	7.43		
		1	3.50	3.00	2.90	2.95	0.15	1.55		
	Near patelamma tempale	1	15.00	5.85	2.90	4.38	0.15	9.84		
		1	1.75	2.90	2.90	2.90	0.15	0.76		
		1	5.00	2.45	2.45	2.45	0.15	1.84		
		1	15.00	3.10	3.00	3.05	0.15	6.86		
		1	5.00	3.00	3.00	3.00	0.15	2.25		
	srinivasaiah house road	1	15.00	1.45	1.45	1.45	0.15	3.26		
		1	5.00	1.45	1.45	1.45	0.15	1.09		
	Near Old BBMP Office	1	24.00	17.00	19.00	18.00	0.15	64.80		
		1	9.00	16.50	16.50	16.50	0.15	22.28		
	cross road	1	10.00	5.60	5.35	5.48	0.15	8.21		
		1	15.00	3.25	2.90	3.12	0.15	7.02		
		1	15.00	2.90	2.60	2.75	0.15	6.19		
		1	2.00	2.60	2.80	2.70	0.15	0.81		
		1	12.20	2.60	2.60	2.60	0.15	4.76		
					Total Qty			287.31		
					Limited to tender qty			286.86	5200.00	1491672.00
6	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete							Sqm		
		Sqm								
	Nagesh House to Panchayath Hall	1	10.00			1.35		13.50		
		1	8.00			1.35		10.80		
		1	12.00			1.35		16.20		
		1	15.00			1.35		20.25		
		1	12.00			1.35		16.20		
					Total Qty			76.95		
					Limited to tender qty			54.00	750.00	40500.00
7	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.							Sqm		
	Flagging Course	Sqm								
	Nagesh House to Panchayath Hall	2	30.00				0.40	24.00		
		2	30.00				0.40	24.00		
		2	18.00				0.40	14.40		
					Total Qty			62.40		
					Total Qty			62.40	1000.00	62400.00

Assistant Executive Engineer, Kodigehalli Sub Divis... Yelahanka Zone, B.B.M.P. Bangalore.

Assistant Engineer

Assistant Executive Engineer

	Description of work	No	L	CH+B	Av.B	D	Qty	Rate	Amount
8	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.							Cum	
	Vent Concrete								
	Nagesh House to Panchayath Hall	1	30.00			0.45	0.15	2.03	
		1	30.00			0.45	0.15	2.03	
		1	18.00			0.45	0.15	1.22	
	Flagging Course								
	Nagesh House to Panchayath Hall	1	30.00			0.20	0.10	0.60	
		1	30.00			0.20	0.10	0.60	
		1	18.00			0.20	0.10	0.36	
					Total Qty			**6.83**	
					Total Qty			**6.83**	5800.00 **39614.00**
9	Providing and fixing RCC precast cover slab of 100mm thick of drain in cment concrete M20 using graded jelly 20 mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate							Sqm	
	Nagesh House to Panchayath Hall	15	0.60			0.90		8.10	
		12	0.60			0.90		6.48	
		16	0.60			0.90		8.64	
					Total Qty			**23.22**	
					Limited to tender qty			**23.22**	2500.00 **58050.00**
					Sub Total				**3898351.00**
					For 12% Applicable GST				**467802.00**
					Grand Total				**4366153.00**

Rupees Forty Three Lakh(s) Sixty Six Thousand One Hundred Fifty Three Only

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Name of work: construction of Additional hall on ward office Building and Improvements of Roads and Drains at kodigehalli in ward 08.

Estimated Cost : Rs. 60.00 Lakhs

Head of Account : P-3522

Job Code: 008-19-000037

Name of Agency: Sri Gangulureddy.A # 490/B, 12th C Cross, Vyalikaval, Malleshwaram Bangalore 560003.

Work order No: BBMP/EE/BTP/WO/09/2020-21 Date:11.05.2020.

Measurements Recarded on :

Sl. No.	Description of work	No	L	CH+B		Av.B	D	Qty	Unit
1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.								Cum
	1st cross kempegowda layout	1	9.10	5.70	6.30	6.00	0.20	10.92	
		1	7.30	3.60	7.40	5.55	0.20	8.10	
		1	4.40	7.40	7.70	7.55	0.20	6.64	
		1	15.00	6.40	4.40	5.40	0.20	16.20	
		1	4.40	4.40	4.00	4.20	0.20	3.70	
		1	15.00	4.65	4.50	5.57	0.20	16.71	
		1	15.00	4.50	6.00	5.25	0.20	15.75	
		1	6.20	4.50	6.60	5.55	0.20	6.88	
		1	15.00	4.50	4.70	4.60	0.20	13.80	
		1	15.00	4.70	4.85	4.77	0.20	14.31	
		1	15.00	4.85	7.80	6.32	0.20	18.96	
		1	10.20	7.80	5.60	6.90	0.20	14.08	
		1	3.20	7.50	5.20	6.35	0.20	4.06	
	Swatha provision store road	1	15.00	4.00	3.25	3.62	0.20	10.86	
		1	8.20	3.25	3.15	3.20	0.20	5.25	
	Mahalakshmi provision store cross	1	15.00	2.40	2.40	2.40	0.20	7.20	
		1	7.10	2.40	2.40	2.40	0.20	3.41	
		1	7.00	7.35	3.60	5.47	0.20	7.66	
		1	15.00	3.60	3.00	3.30	0.20	9.90	
		1	3.50	3.00	2.90	2.95	0.20	2.07	
	Near patelamma tempale	1	15.00	5.85	2.90	4.38	0.20	13.13	
		1	1.75	2.90	2.90	2.90	0.20	1.02	
		1	5.00	2.45	2.45	2.45	0.20	2.45	
		1	15.00	3.10	3.00	3.05	0.20	9.15	
		1	5.00	3.00	3.00	3.00	0.20	3.00	

22.5.21

Sl. No.	Description of work	No	L	CH+B		Av.B	D	Qty	Unit
	srinivasaiah house road	1	15.00	1.45	1.45	1.45	0.20	4.35	
		1	5.00	1.45	1.45	1.45	0.20	1.45	
	Near Old BBMP Office	1	24.00	17.00	19.00	18.00	0.20	86.40	
		1	9.00	16.50	16.50	16.50	0.20	29.70	
	cross road	1	10.00	5.60	5.35	5.48	0.20	10.95	
		1	15.00	3.25	2.90	3.12	0.20	9.36	
		1	15.00	2.90	2.60	2.75	0.20	8.25	
		1	2.00	2.60	2.80	2.70	0.20	1.08	
		1	12.20	2.60	2.60	2.60	0.20	6.34	
		Total Qty =						**383.08**	
		Limited to Tender Qty =						**382.49**	

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

o.	Description of work	No	L	CH+B		Av.B	D	Qty	Unit
	Measurements Recarded on :								
2	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.								Cum
	1st cross kempegowda layout	1	9.10	5.70	6.30	6.00	0.15	8.19	
		1	7.30	3.60	7.40	5.55	0.15	6.08	
		1	4.40	7.40	7.70	7.55	0.15	4.98	
		1	15.00	6.40	4.40	5.40	0.15	12.15	
		1	4.40	4.40	4.00	4.20	0.15	2.77	
		1	15.00	4.65	4.50	5.57	0.15	12.53	
		1	15.00	4.50	6.00	5.25	0.15	11.81	
		1	6.20	4.50	6.60	5.55	0.15	5.16	
		1	15.00	4.50	4.70	4.60	0.15	10.35	
		1	15.00	4.70	4.85	4.77	0.15	10.73	
		1	15.00	4.85	7.80	6.32	0.15	14.22	
		1	10.20	7.80	5.60	6.90	0.15	10.56	
		1	3.20	7.50	5.20	6.35	0.15	3.05	
	Swatha provision store road	1	15.00	4.00	3.25	3.62	0.15	8.15	
		1	8.20	3.25	3.15	3.20	0.15	3.94	
	Mahalakshmi provision store cross	1	15.00	2.40	2.40	2.40	0.15	5.40	
		1	7.10	2.40	2.40	2.40	0.15	2.56	
		1	7.00	7.35	3.60	5.47	0.15	5.74	
		1	15.00	3.60	3.00	3.30	0.15	7.43	
		1	3.50	3.00	2.90	2.95	0.15	1.55	
	Near patelamma tempale	1	15.00	5.85	2.90	4.38	0.15	9.84	
		1	1.75	2.90	2.90	2.90	0.15	0.76	
		1	5.00	2.45	2.45	2.45	0.15	1.84	
		1	15.00	3.10	3.00	3.05	0.15	6.86	
		1	5.00	3.00	3.00	3.00	0.15	2.25	
	srinivasaiah house road	1	15.00	1.45	1.45	1.45	0.15	3.26	
		1	5.00	1.45	1.45	1.45	0.15	1.09	
	Near Old BBMP Office	1	24.00	17.00	19.00	18.00	0.15	64.80	
		1	9.00	16.50	16.50	16.50	0.15	22.28	
	cross road	1	10.00	5.60	5.35	5.48	0.15	8.21	
		1	15.00	3.25	2.90	3.12	0.15	7.02	
		1	15.00	2.90	2.60	2.75	0.15	6.19	
		1	5.50	2.60	2.80	2.70	0.15	2.23	
		1	12.20	2.60	2.60	2.60	0.15	4.76	
	Desilting of drains								
	Mahalakshmi provision store cross	2	15.00			0.45	0.45	3.04	
		2	14.20			0.45	0.45	2.88	
		2	14.00			0.45	0.45	2.84	
		2	30.00			0.45	0.45	6.08	
	cross road	2	7.00			0.45	0.45	1.42	
		2	30.00			0.60	0.45	8.10	
		2	15.00			0.60	0.45	4.05	
		2	10.00			0.60	0.45	2.70	
							Total Qty	**319.82**	
							Limited to tender qty	**319.67**	

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Sl. No.	Description of work	No	L	CH+B		Av.B	D	Qty	Unit
	Measurements Recarded on :								
3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.465cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.								Cum
	For Road	Cum							
	1st cross kempegowda layout	1	9.10	5.70	6.30	6.00	0.15	8.19	
		1	7.30	3.60	7.40	5.55	0.15	6.08	
		1	4.40	7.40	7.70	7.55	0.15	4.98	
		1	15.00	6.40	4.40	5.40	0.15	12.15	
		1	4.40	4.40	4.00	4.20	0.15	2.77	
		1	15.00	4.65	4.50	5.57	0.15	12.53	
		1	15.00	4.50	6.00	5.25	0.15	11.81	
		1	6.20	4.50	6.60	5.55	0.15	5.16	
		1	15.00	4.50	4.70	4.60	0.15	10.35	
		1	15.00	4.70	4.85	4.77	0.15	10.73	
		1	15.00	4.85	7.80	6.32	0.15	14.22	
		1	10.20	7.80	5.60	6.90	0.15	10.56	
		1	3.20	7.50	5.20	6.35	0.15	3.05	
	Swatha provision store road	1	15.00	4.00	3.25	3.62	0.15	8.15	
		1	8.20	3.25	3.15	3.20	0.15	3.94	
	Mahalakshmi provision store cross	1	15.00	2.40	2.40	2.40	0.15	5.40	
		1	7.10	2.40	2.40	2.40	0.15	2.56	
		1	7.00	7.35	3.60	5.47	0.15	5.74	
		1	15.00	3.60	3.00	3.30	0.15	7.43	
		1	3.50	3.00	2.90	2.95	0.15	1.55	
	Near patelamma tempale	1	15.00	5.85	2.90	4.38	0.15	9.84	
		1	1.75	2.90	2.90	2.90	0.15	0.76	
		1	5.00	2.45	2.45	2.45	0.15	1.84	
		1	15.00	3.10	3.00	3.05	0.15	6.86	
		1	5.00	3.00	3.00	3.00	0.15	2.25	
	srinivasaiah house road	1	15.00	1.45	1.45	1.45	0.15	3.26	
		1	5.00	1.45	1.45	1.45	0.15	1.09	
	Near Old BBMP Office	1	24.00	17.00	19.00	18.00	0.15	64.80	
		1	9.00	16.50	16.50	16.50	0.15	22.28	
	cross road	1	10.00	5.60	5.35	5.48	0.15	8.21	
		1	15.00	3.25	2.90	3.12	0.15	7.02	
		1	15.00	2.90	2.60	2.75	0.15	6.19	
		1	2.00	2.60	2.80	2.70	0.15	0.81	
		1	12.20	2.60	2.60	2.60	0.15	4.76	
					Total Qty			**287.31**	
					Limited to tender qty			**286.86**	5600.00

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.